

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/011446

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08L23/10 C08J5/18 B32B27/32 C09J7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08L C08J B32B C09J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------------|
| P,X | WO 03/093004 A (EXXONMOBIL CORP) 13 November 2003 (2003-11-13) page 5, paragraph 1; claims; examples 2,3 | 1-28 |
| X | EP 0 757 069 A (MONTPELL NORTH AMERICA INC) 5 February 1997 (1997-02-05) claims | 1-19 |
| X | US 6 489 019 B1 (ROSENTHAL JAY S ET AL) 3 December 2002 (2002-12-03) column 23, line 31 - column 23, line 60; example 2 column 13, line 9 - line 46 | 1-25 |
| X | US 5 594 070 A (JACOBY PHILIP ET AL) 14 January 1997 (1997-01-14) column 5, line 48 - column 6, line 23; claims | 1-5,8,9, 14-19, 26-28 |

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

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Information on patent family members

International Application No.

PCT/EP2004/011446

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|---|--|
| WO 03093004 | A | 13-11-2003 | US 2003207137 A1 US 2003207138 A1 CA 2480774 A1 CA 2485469 A1 WO 03093003 A1 WO 03093004 A1 | 06-11-2003 06-11-2003 13-11-2003 13-11-2003 13-11-2003 13-11-2003 |
| EP 0757069 | A | 05-02-1997 | US 5641848 A AT 224926 T AU 707222 B2 AU 6065396 A BR 9603157 A CA 2181877 A1 CN 1143564 A , B DE 69623885 D1 DE 69623885 T2 EP 0757069 A1 JP 9104064 A NO 963061 A ZA 9606247 A | 24-06-1997 15-10-2002 08-07-1999 30-01-1997 05-05-1998 25-01-1997 26-02-1997 31-10-2002 05-06-2003 05-02-1997 22-04-1997 27-01-1997 11-02-1997 |
| US 6489019 | B1 | 03-12-2002 | US 6306518 B1 AU 3449500 A BR 0006141 A CA 2339058 A1 CN 1318012 T EP 1097040 A1 WO 0071338 A1 JP 2003500235 T NO 20010295 A PL 345652 A1 TR 200100180 T1 | 23-10-2001 12-12-2000 03-04-2001 30-11-2000 17-10-2001 09-05-2001 30-11-2000 07-01-2003 19-03-2001 02-01-2002 21-06-2001 |
| US 5594070 | A | 14-01-1997 | US 5176953 A AU 650072 B2 CA 2056875 A1 CN 1064491 A , B DE 69131989 D1 DE 69131989 T2 DK 492942 T3 EP 0492942 A2 ES 2143462 T3 JP 3291307 B2 JP 4309546 A KR 212776 B1 NZ 241070 A US 5317035 A US 5236963 A AU 8838691 A | 05-01-1993 09-06-1994 22-06-1992 16-09-1992 23-03-2000 05-10-2000 05-06-2000 01-07-1992 16-05-2000 10-06-2002 02-11-1992 02-08-1999 23-12-1992 31-05-1994 17-08-1993 25-06-1992 |